

Receipt date: 06/23/2010

10780824 - GAU: 2112

PTO/SB/08a (07-09)

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/780,824
				Filing Date	2004-02-17
				First Named Inventor	Edward G. Tiedemann JR
				Art Unit	2112
				Examiner Name	RIZK, SAMIR WADIE
Sheet	1	of	16	Attorney Docket No: 030525	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	01	US2149518	03-07-1939	FRANK SR THOMAS	
	02	US5774809	06-30-1998	TUUTIJARVI, et al.	
	03	US6208858	03-27-2001	ANTONIO, et al.	
	04	USRE38603	09-28-2004	Kim ,et al.	
	05	US7289529	10-30-2007	SHERMAN; Matthew J.	
	06	US6816827	11-09-2004	XIA, et al.	
	07	US3470324	09-30-1969	HARMUTH Henning.	
	08	US5406585	04-11-1995	ROHANI; Kamyar. et al.	
	09	US5463342	10-31-1995	GUARD; Glenn B.	
	010	US5483557	01-09-1996	WEBB; William T.	
	011	US5544156	08-06-1996	TEDER; Paul M. et al.	
	012	US5581575	12-03-1996	ZEHAVI; Ephraim. et al.	
	013	US5627938	05-06-1997	JOHNSTON; James D.	
	014	US5647366	07-15-1997	WENG; Lee.	
	015	US5719852	02-17-1998	SCHILLING; Donald L. et al.	
	016	US5726978	03-10-1998	FRODIGH; Carl Magnus. et al.	
	017	US5752193	05-12-1998	SCHOLEFIELD; Christopher. et al.	
	018	US5754537	05-19-1998	JAMAL; Karim.	
	019	US5764551	06-09-1998	MCCORKLE; John W.	
	020	US5781861	07-14-1998	KANG; Chang-Soon. et al.	

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	021	US5809059	09-15-1998	SOUISSI; Slim. et al.	
	022	US5815526	09-29-1998	RICE; Bart F.	
	023	US5857174	01-05-1999	DUGAN; John W.	
	024	US5862451	01-19-1999	GRAU; Alan L. et al.	
	025	US5903608	05-11-1999	CHUN; You-sik.	
	026	US5956642	09-21-1999	LARSSON; Per .ANG.ke. et al.	
	027	US5966377	10-12-1999	MURAI; Hideshi.	
	028	US5966670	10-12-1999	KESKITALO; Ilkka. et al.	
	029	US5969751	10-19-1999	LEE; Myeong-hwan.	
	030	US5973642	10-26-1999	LI; Ye. et al.	
	031	US5991271	11-23-1999	JONES; David C. et al.	
	032	US5991273	11-23-1999	ABU-DAYYA; Adnan.	
	033	US6005876	12-21-1999	CIMINI; Jr. Leonard Joseph. et al.	
	034	US6014373	01-11-2000	SCHILLING; Donald L. et al.	
	035	US6049716	04-11-2000	JUNG; Jin-soo.	
	036	US6052594	04-18-2000	CHUANG; Justin Che-l. et al.	
	037	US6061359	05-09-2000	SCHILLING; Donald L. et al.	
	038	US6064692	05-16-2000	CHOW; Jacky S.	
	039	US6088387	07-11-2000	GELBLUM; Ehud Alexander. et al.	

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		Number-Kind Code ² (if known)			
	040	US6094459	07-25-2000	KA0; Chiihsin. et al.	
	041	US6108374	08-22-2000	BALACHANDRAN; Krishna. et al.	
	042	US6108384	08-22-2000	OKUMURA; Yukihiko. et al.	
	043	US6111911	08-29-2000	SANDERFORD; Jr. H. Britton. et al.	
	044	US6128349	10-03-2000	CHOW; Jacky S.	
	045	US6128882	10-10-2000	JONES; Cecil Gwilliam.	
	046	US6130882	10-10-2000	LEVIN; Howard E.	
	047	US6131016	10-10-2000	GREENSTEIN; Lawrence Joel. et al.	
	048	US6134215	10-17-2000	AGRAWAL; Avneesh. et al.	
	049	US6134218	10-17-2000	HOLDEN; Brian D.	
	050	US6141388	10-31-2000	SERVAIS; Frederic Henri. et al.	
	051	US6144654	11-07-2000	IBANEZ-MEIER; Rodrigo. et al.	
	052	US6195552	02-27-2001	JEONG; Jin-soo. et al.	
	053	US6201576	03-13-2001	RAGHUNATH; Kalavai J. et al.	
	054	US6201954	03-13-2001	SOLIMAN; Samir S.	
	055	US6208699	03-27-2001	CHEN; Tao. et al.	
	056	US6219374	04-17-2001	KIM; Seong Rag. et al.	
	057	US6222875	04-24-2001	DAHLMAN; Erik. et al.	
	058	US6222888	04-24-2001	KA0; Chiihsin. et al.	

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		Number-Kind Code ² (if known)			
	059	US6233455	05-15-2001	RAMAKRISHNA; Deepa. et al.	
	060	US6259746	07-10-2001	LEVIN; Howard E. et al.	
	061	US6292515	09-18-2001	KAO; Chiihsin. et al.	
	062	US6307844	10-23-2001	TSUNEHARA; Katsuhiko. et al.	
	063	US6347080	02-12-2002	JOU; Yu-Cheun. et al.	
	064	US6389056	05-14-2002	KANTERAKIS; Emmanuel. et al.	
	065	US6414988	07-02-2002	LING; Fuyun.	
	066	US6483816	11-19-2002	TSUNEHARA; Katsuhiko. et al.	
	067	US6490461	12-03-2002	MULLER; Walter.	
	068	US6496496	12-17-2002	RAMAKRISHNA; Deepa. et al.	
	069	US6505058	01-07-2003	WILLEY; W. Daniel.	
	070	US6532363	03-11-2003	PUSSINEN; Arto.	
	071	US6535723	03-18-2003	JIANG; Frances. et al.	
	072	US6549561	04-15-2003	CRAWFORD; James A.	
	073	US6563885	05-13-2003	MAGEE; David Patrick. et al.	
	074	US6570444	05-27-2003	WRIGHT; Andrew S.	
	075	US6571101	05-27-2003	SCHULZ; Egon.	
	076	US6571104	05-27-2003	NANDA; Sanjiv. et al.	
	077	US6574205	06-03-2003	SATO; Toshifumi.	

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	078	US6597913	07-22-2003	NATARAJAN; Kadathur S.	
	079	US6609007	08-19-2003	EIBLING; Edward Ellis. et al.	
	080	US6654609	11-25-2003	KIM; Dong-Hun.	
	081	US6701151	03-02-2004	DIACHINA; John W. et al.	
	082	US6711208	03-23-2004	RAZOUMOV; Leonid. et al.	
	083	US6744754	06-01-2004	LEE; Young Jo.	
	084	US6751264	06-15-2004	HO; Yui-Luen. et al.	
	085	US6751444	06-15-2004	MEIYAPPAN; Palaniappan.	
	086	US6757241	06-29-2004	JONES; Vincent K. et al.	
	087	US6836666	12-28-2004	GOPALAKRISHNAN; Nandu. et al.	
	088	US6847826	01-25-2005	WESBY; Philip. et al.	
	089	US6847828	01-25-2005	MIYOSHI; Kenichi. et al.	
	090	US6865389	03-08-2005	LEE; Bo. et al.	
	091	US6880103	04-12-2005	KIM; Young Hwan. et al.	
	092	US6898418	05-24-2005	RAUSCHMAYER; Dennis.	
	093	US6917581	07-12-2005	PROCTOR; Jr. James A. et al.	
	094	US6937582	08-30-2005	KRONESTEDT; Carl Fredric Ulf.	
	095	US6952561	10-04-2005	KUMAR; Sarath. et al.	
	096	US6982946	01-03-2006	WIBERG; Niclas. et al.	

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	097	US6987798	01-17-2006	AHN; Seong-Woo. et al.	
	098	US7006429	02-28-2006	YOSHIDA; Makoto. et al.	
	099	US7012912	03-14-2006	NAGUIB; Ayman Fawzy. et al.	
	0100	US7016651	03-21-2006	NARASIMHAN; Ravi.	
	0101	US7031741	04-18-2006	LEE; Young Jo. et al.	
	0102	US7054275	05-30-2006	KIM; Dae-Gyun. et al.	
	0103	US7061986	06-13-2006	TONISSEN; Shane. et al.	
	0104	US7068702	06-27-2006	CHEN; Hung-Kun. et al.	
	0105	US7076001	07-11-2006	BEADLE; Edward R. et al.	
	0106	US7092706	08-15-2006	YANG; Bin.	
	0107	US7099397	08-29-2006	LEE; Goon Seop. et al.	
	0108	US7103021	09-05-2006	JOU; Yu-Cheun.	
	0109	US7120134	10-10-2006	TIEDEMANN; Jr. Edward G. et al.	
	0110	US7158504	01-02-2007	KADABA; Srinivas R. et al.	
	0111	US7164669	01-16-2007	LI; Xiaodong. et al.	
	0112	US7177367	02-13-2007	STORM; Andrew.	
	0113	US7187646	03-06-2007	SCHRAMM; Peter.	
	0114	US7190964	03-13-2007	DAMNJANOVIC; Aleksandar. et al.	
	0115	US7197085	03-27-2007	VELLA-COLEIRO; George P.	

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		Application Number	10/780,824	
		Filing Date	2004-02-17	
		First Named Inventor	Edward G. Tiedemann JR	
		Art Unit	2112	
		Examiner Name	RIZK, SAMIR WADIE	
Sheet	7	of	16	Attorney Docket No: 030525

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	0116	US7215930	05-08-2007	MALLADI; Durga P.	
	0117	US7257101	08-14-2007	PETRUS; Paul. et al.	
	0118	US7269389	09-11-2007	PETRUS; Paul. et al.	
	0119	US7272199	09-18-2007	STORM; Andrew. et al.	
	0120	US7274743	09-25-2007	KIM; Yong-Woon.	
	0121	US7277709	10-02-2007	VADGAMA; Sunil Keshavji.	
	0122	US7286558	10-23-2007	KIM; Youn-Sun. et al.	
	0123	US7286846	10-23-2007	CHEN; Tao. et al.	
	0124	US7313167	12-25-2007	YOON; Young C. et al.	
	0125	US7317711	01-08-2008	BAE; Beom-Sik. et al.	
	0126	US7336640	02-26-2008	MCDONOUGH; John G. et al.	
	0127	US7336954	02-26-2008	WANG; Jun. et al.	
	0128	US7423992	09-09-2008	IWAMURA; Ryuichi.	
	0129	US7447258	11-04-2008	PIETILA; Samuli. et al.	
	0130	US7447287	11-04-2008	PARANTAINEN; Janne.	
	0131	US7463702	12-09-2008	AMMER; Gerhard. et al.	
	0132	US7505780	03-17-2009	WEI; Yongbin. et al.	
	0133	US7660282	02-09-2010	SARKAR; Sandip.	
	0134	US20040013102	01-22-2004	FONG, Mo-Han; et al.	
	0135	US20050254465	11-17-2005	LUNDBY, Stein A. et al.	
	0136	US20020067774	06-06-2002	RAZOUMOV, Leonid et al.	

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		Number-Kind Code ² (if known)			
	0137	US20020154610	10-24-2002	TIEDEMANN, Edward G. JR. et al.	
	0138	US20020021683	02-21-2002	HOLTZMAN; Jack. et al.	
	0139	US20020021692	02-21-2002	HUH; Hoon. et al.	
	0140	US20020051432	05-02-2002	SHIN; Yeong Jong.	
	0141	US20020111183	08-15-2002	LUNDBY; Stein A.	
	0142	US20020131522	09-19-2002	FELGENTREFF; Tilman.	
	0143	US20020137521	09-26-2002	KIM; Min-Goo. et al.	
	0144	US20020160767	10-31-2002	HANLY; Stephen Vaughan.	
	0145	US20020172192	11-21-2002	HUNZINGER; Jason F. et al.	
	0146	US20020183039	12-05-2002	PADGETT; Jay. et al.	
	0147	US20030039317	02-27-2003	TAYLOR; Douglas Hamilton. et al.	
	0148	US20030081538	05-01-2003	WALTON; Jay R. et al.	
	0149	US20030129981	07-10-2003	KIM; Hye Ock.	
	0150	US20030137953	07-24-2003	CHAE; Chan-Byoung. et al.	
	0151	US20030152102	08-14-2003	MORGAN; William. et al.	
	0152	US20040160922	08-19-2004	NANDA; Sanjiv. et al.	
	0153	US20040162083	08-19-2004	CHEN; Tao. et al.	
	0154	US20040224711	11-11-2004	PANCHAL; Rajendra A. et al.	
	0155	US20040228349	11-18-2004	VRZIC; Sophie. et al.	

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		Filing Date	2004-02-17	
		First Named Inventor	Edward G. Tiedemann JR	
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		Examiner Name	RIZK, SAMIR WADIE	
Sheet	9	of	16	Attorney Docket No: 030525

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		Number-Kind Code ² (if known)			
	0156	US20040228389	11-18-2004	ODENWALDER; Joseph P.	
	0157	US20050002324	01-06-2005	SUTIVONG; Arak. et al.	
	0158	US20050007986	01-13-2005	MALLADI; Durga P. et al.	
	0159	US20050176456	08-11-2005	CHEN; Tao. et al.	
	0160	US20060007892	01-12-2006	SUDO; Hiroaki;	
	0161	US20060019701	01-26-2006	Jl; Tingfang	
	0162	US20060183497	08-17-2006	PARANCHYCH; David W.; et al.	
	0163	US20060215737	09-28-2006	BANG; Seung-Chan; et al.	
	0164	US20060264220	11-23-2006	CHEN; Tao; et al.	
	0165	US20070111669	05-17-2007	MALLADI; Durga P.	
	0166	US20080043683	02-21-2008	KWON; Hwan-Joon; et al.	
	0167	US20080194286	08-14-2008	CHEN; Tao; et al.	
	0168	US20020136271	09-26-2002	HIRAMATSU, et al	

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Sheet	10	of	16	Attorney Docket No: 030525	

		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Relevant Passages or Relevant Figures Appear	T 6
	0169	CN1263675	08-16-2000	QUALCOMM INC [US]		<input type="checkbox"/>
	0170	JP200277984	03-15-2002	TOSHIBA CORP.		<input type="checkbox"/>
	0171	CN1166094	11-26-1997	MITSUBISHI ELECTRIC CORP [JP]		<input type="checkbox"/>
	0172	EP0783210A2	07-09-1997	NEC CORP [JP].		<input type="checkbox"/>
	0173	EP0809364A2	11-26-1997	MITSUBISHI ELECTRIC CORP [JP].		<input type="checkbox"/>
	0174	EP0921652A2	06-09-1999	KOREA ELECTRONICS TELECOMM [KR].		<input type="checkbox"/>
	0175	EP1257140A1	11-13-2002	LUCENT TECHNOLOGIES INC [US].		<input type="checkbox"/>
	0176	EP1292057A1	03-12-2003	MITSUBISHI ELECTRIC CORP [JP].		<input type="checkbox"/>
	0177	GB2301687A	12-11-1996	DSC COMMUNICATIONS [US].		<input type="checkbox"/>
	0178	GB2352944A	02-07-2001	KOREA ELECTRONICS TELECOMM [KR].		<input type="checkbox"/>
	0179	JP10013325A	01-16-1998	MATSUSHITA ELECTRIC IND CO LTD.		<input type="checkbox"/>
	0180	JP11154919A	06-08-1999	SONY INT EUROP GMBH.		<input type="checkbox"/>
	0181	JP11508417T	07-21-1999	TELEFONAKTIEBOLAGET LM ERICSSON		<input type="checkbox"/>
	0182	JP2000299680A	10-24-2000	LUCENT TECHNOLOGIES INC.		<input type="checkbox"/>
	0183	JP2001036500A	02-09-2001	SHARP KK.		<input type="checkbox"/>
	0184	JP2001238269A	08-31-2001	KDDI CORP.		<input type="checkbox"/>
	0185	JP2001515300T	09-18-2001	TELEFONAKTIEBOLAGET LM ERICSSON		<input type="checkbox"/>
	0186	JP2002159061A	05-31-2002	YRP MOBILE TELECOMM KEY TECH R. et al.		<input type="checkbox"/>

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	0187	JP2002522988T	07-23-2002	SAMSUNG ELECTRONICS CO LTD		<input type="checkbox"/>
	0188	JP2003008521A	01-10-2003	FUJITSU LTD.		<input type="checkbox"/>
	0189	JP2003060606A	02-28-2003	HITACHI INT ELECTRIC INC.		<input type="checkbox"/>
	0190	JP2003060609A	02-28-2003	MITSUBISHI ELECTRIC CORP.		<input type="checkbox"/>
	0191	JP2003069523A	03-07-2003	TOYO COMMUNICATION EQUIP.		<input type="checkbox"/>
	0192	JP2004032518A	01-29-2004	SONY CORP.		<input type="checkbox"/>
	0193	JP2004320679A	11-11-2004	NAT INST INF & et al.		<input type="checkbox"/>
	0194	JP2008072733A	03-27-2008	MATSUSHITA ELECTRIC IND CO LTD.		<input type="checkbox"/>
	0195	JP08298498A	12-11-1996	MITSUBISHI ELECTRIC CORP.		<input type="checkbox"/>
	0196	KR0156478B1	11-16-1998	LG ELECTRONICS INC [KR].		<input type="checkbox"/>
	0197	RU2073913C1	02-20-1997	KONINKL PHILIPS ELECTRONICS NV [NL].		<input type="checkbox"/>
	0198	RU2111619C1	05-20-1998	QUALCOMM INC [US].		<input type="checkbox"/>
	0199	RU2115246C1	07-10-1998	VOENNAJA AKADEMIJA SVJAZI.		<input type="checkbox"/>
	0200	RU2120198C1	10-10-1998	QUALCOMM INC [US].		<input type="checkbox"/>
	0201	RU2183910C2	06-20-2002	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0202	RU2189696C2	09-20-2002	QUALCOMM INC [US].		<input type="checkbox"/>
	0203	WO0008869A2	02-17-2000	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>

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	0204	WO0042752A1	07-20-2000	SONY ELECTRONICS INC [US].		<input type="checkbox"/>
	0205	WO0048328A1	08-17-2000	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0206	WO0065743A1	11-02-2000	NOKIA MOBILE PHONES LTD [FI]. et al.		<input type="checkbox"/>
	0207	WO0110159A1	02-08-2001	HOTTINEN ARI [FI]. et al.		<input type="checkbox"/>
	0208	WO0124568A1	04-05-2001	QUALCOMM INC [US].		<input type="checkbox"/>
	0209	WO0141318A2	06-07-2001	KOREA ADVANCED INST SCI & et al.		<input type="checkbox"/>
	0210	WO0199303A2	12-27-2001	QUALCOMM INC [US].		<input type="checkbox"/>
	0211	WO0199312A1	12-27-2001	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0212	WO0201762A1	01-03-2002	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	0213	WO02063818A1	08-15-2002	MITSUBISHI ELECTRIC CORP [JP]. et al.		<input type="checkbox"/>
	0214	WO02065664A2	08-22-2002	QUALCOMM INC [US].		<input type="checkbox"/>
	0215	WO02080400A2	10-10-2002	QUALCOMM INC [US].		<input type="checkbox"/>
	0216	WO0233838A2	04-25-2002	NORTEL NETWORKS LTD [CA]. et al.		<input type="checkbox"/>
	0217	WO0237693A2	05-10-2002	CUTE LTD [IL]. et al.		<input type="checkbox"/>
	0218	WO03084163A1	10-09-2003	INTEL CORP [US]. et al.		<input type="checkbox"/>
	0219	WO9205556A1	04-02-1992	KONINKL PHILIPS ELECTRONICS NV [NL].		<input type="checkbox"/>
	0220	WO9510144A1	04-13-1995	TELIA AB [SE]. et al.		<input type="checkbox"/>

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				Application Number	10/780,824	
				Filing Date	2004-02-17	
				First Named Inventor	Edward G. Tiedemann JR	
				Art Unit	2112	
				Examiner Name	RIZK, SAMIR WADIE	
Sheet	13	of	16	Attorney Docket No: 030525		

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	0221	WO9512297A1	05-04-1995	QUALCOMM INC [US].		<input type="checkbox"/>
	0222	WO9701256A1	01-09-1997	ERICSSON TELEFON AB L M [SE].		<input type="checkbox"/>
	0223	WO9733399A1	09-12-1997	ERICSSON TELEFON AB L M [SE].		<input type="checkbox"/>
	0224	WO9836606A2	08-20-1998	QUALCOMM INC [US].		<input type="checkbox"/>
	0225	WO9907089A1	02-11-1999	MOTOROLA INC [US].		<input type="checkbox"/>
	0226	WO9912282A1	03-11-1999	ERICSSON TELEFON AB L M [SE].		<input type="checkbox"/>
	0227	WO9929054A1	06-10-1999	GOLDEN BRIDGE TECH INC [US].		<input type="checkbox"/>
	0228	WO01017158A1	03-08-2001	QUALCOMM INC [US].		<input type="checkbox"/>
	0229	WO01028194A1	04-19-2001	QUALCOMM INC [US].		<input type="checkbox"/>
	0230	WO99001994A2	01-14-1999	QUALCOMM INC [US].		<input type="checkbox"/>
	0231	JP2002-026808	01-25-2002	MATSUSHITA ELECTRIC IND CO LTD		<input type="checkbox"/>
	0232	JP2002-232943	08-16-2002	SONY CORP		<input type="checkbox"/>
	0233	JP2005-505955	02-24-2005	QUALCOMM INC [US]		<input type="checkbox"/>
	0234	WO02095960	11-28-2002	QUALCOMM INC [US]		<input type="checkbox"/>

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		TA EIA interim Standard IS-856-1, 'CDMA.2000 High Rate Packet Data Air Interface	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/780,824	
		Filing Date	2004-02-17	
		First Named Inventor	Edward G. Tiedemann JR	
		Art Unit	2112	
		Examiner Name	RIZK, SAMIR WADIE	
Sheet	14	of	16	Attorney Docket No: 030525

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		Specification. Addendum "I," January 2002. Pages 9-23 - 9-57, XP002299790.	
	0235	"Mobile Station-Base Station Compatibility Standard for Wideband Spread Spectrum Cellular Systems," TIA/EIA Interim Standard, February 3, 1999, XP002145331, pp. 6-380,6 (TIA/EIA-95-B).	
	0236	"The CDMA 2000 ITU-R RTT Candidate Submission (0.18)," Telecommunications Industry Association TIA, July 27, 1998, XP002294165, pp. 1-145.	
	0237	3G TS 25.211 "Physical channels and mapping of transport channels onto physical channels (FDD)", Release 5, V5.0.0, March 2002.	
	0238	3G TS 25.212 "Multiplexing and channel coding (FDD)", Release 5, V5.0.0, March 2002.	
	0239	3G TS 25.213 "Spreading and modulation (FDD)", Release 5, V5.0.0, March 2002.	
	0240	3G TS 25.214 "Physical layer procedures (FDD)", Release 5, V5.0.0, March 2002.	
	0241	3rd Generation Partnership Project, Technical Specification Group Radio Access Network: 3GPP TS 25.322 V4.7.0; Radio Access Link Control (RLC) Protocol Specification; Release 4, December 2002 (2002-12), pages 1-76.	
	0242	ATTAR R.A et al. "A reverse link outer-loop power control algorithm for cdma2000 1xEV systems," ICC 2002. 2002 IEEE International Conference on Communications, New York, NY, Vol 1 of 5. 28 April 2002, pages 573-578. XP010589559.	
	0243	CHEN, TAU, "Method and Apparatus for Forward Link Power Control During Soft Handoff in a Communication System", US Provisional Application 60/356,929 entitled, filed 2/12/02, QUALCOMM Incorporated.	
	0244	HAMAGUCHI, et al., "Characteristics of Orthogonal Slow-FH/16QAM method applying Interference-resistant Demodulation," Proceedings of Inst. Of Electronics, Information and Communication Engineers, B-II, June 25, 1995, vol. J78, B-II, no. 6, pp. 445-453.	
	0245	SARKAR S et al., "Adaptive Control of the Reverse Link in CDMA 2000", International Journal Of Wireless Information Networks, PLENUM PRESS, NY, US, Vol.9, No.1/1/2002, pgs 55-70, XP002300880, ISSN: 1068-9605.	
	0246	SARKAR S., et al., "CDMA2000 Reverse Link: Design and System Performance" VTC 2000-Fall. IEEE VTS 52nd, Vehicular Technology Conference, Boston, MA, September 24-28, 2000. Vol 6 of 6 Conf. 52, pages 2713-2719.	
	0247	SOHN et al., "Blind Rate Detection Algorithm in WCDMA Mobile Receiver", IEEE 54th Vehicular Technology Conference Proceedings, Atlantic City, NJ, October 7, 2001, pages	

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		1589-1592.	
	0248	SUNAY, M, OGUZ, et al.: "Provision of Variable Data Rates in Third Generation Wideband DS CDMA System," wireless Communications and Networking Conference, 1999, 21 September 1999, pgs 505-509.	
	0249	YOU Y--H, et al.: "MC-VSG BNET System for High-Rate Wireless Personal Area Network Applications, IEEE Transactions on Consumer Electronics, IEEE Inc., New York US, Vol. 48, No.2, May 2002, pgs 254-264.	
	0250	YOUNG-UK CHUNG et al, "An Efficient Reverse Link Data Rate Control Scheme for 1xEV-DV System," IEEE 54TH. Vehicular Technology Conference Proceedings. Atlantic City, NJ, Oct. 7-11, 2001. IEEE, US. Vol 1 of 4, Conf. 54, October 10, 2001, pages 820-823.	
	0251	3GPP2 C: "CDMA 2000 High Rate Packet Data Air Interface Specification C.S0024" 3GPP STANDARDS, 12 September 2000 (2000-09-12), XP002206456 cited in the application.	
	0252	CHAKRAVARTY S ET AL: "An Algorithm for Reverse Traffic Channel Rate Control for CDMA 2000 High Rate Packet Data Systems "GLOBECOM"OI. 2001 IEEE GLOBAL Telecommunications Conference. SAN ANTONIO, TX, NOV. 25 - 29, 2001, IEEEGLOBAL Telecommunications Conference, NEWYORK, NY : IEEE, US, x vol. VOL. 6 OF 6, 25 November 2001 (2001-11-25), pages 3733-3737, XP002277693.	

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